

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103; Davis, CA 95618
Phone (530) 757-3650 Fax (530) 757-3670

FACILITY NUMBER: 05010

SIC CODE: 9223

**AUTHORITY TO CONSTRUCT
C-10-123
IS HEREBY GRANTED TO**

**PRISON INDUSTRY AUTHORITY
2100 Peabody Road, Building 401
Vacaville, CA 95696**

EQUIPMENT LOCATION: 2100 Peabody Road, Building 603; Vacaville, CA

TO CONSTRUCT

PROCESS DESCRIPTION: Letterpress and Silkscreen Printing Operation; Modification of P-77-92(a) to change the permitted process limits from volume of material usage to amount of VOCs emitted

EQUIPMENT INVENTORY: One (1) Heidelberg letterpress; three (3) Brandtjen & Kluge, Inc. letter presses; four (4) American M&M Cameo screen printing presses; one (1) AWT UV Dryer; and one (1) American Screen Printing Equipment UV dryer.

- Total Billing: Schedule 1, 12.8 HP -

CONTROL EQUIPMENT INVENTORY:

None

PERMITTED EMISSION LIMITS:

Pollutant	Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [tons]
VOC	22.7	130	130	130	130	0.24

PERMITTED PROCESS LIMITS:

Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [lb]

VOCs (from printing process)	22.7	130	130	130	130	483
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The following information is included to inform and assist the Permit Holder in achieving compliance with applicable provisions of Federal, State, and District Rules and Regulations. The following set of referenced regulations are not intended to be either comprehensive or exclusive, nor are they intended to be emission limiting permit conditions, but they are still applicable rules of the District. Occasionally laws are amended. The amended versions of the referenced rules shall be deemed to be in effect. **It is the Permit Holder's responsibility to comply with all applicable Rules and Regulations.** In the event that the District is named as a defendant in a lawsuit, administrative hearing, or other legal proceeding as a result, in whole or part, of this Authority to Construct/Permit to Operate ("Permit"), the District shall notify the applicant/permit holder ("Permit Holder") in writing within ten (10) calendar days of receiving service of the complaint in such lawsuit. The Permit Holder shall have thirty (30) calendar days from the receipt of such notice from the District to cancel or modify the Permit, and the Permit Holder will have no further obligation to the District. If the Permit Holder does not cancel or modify the Permit within thirty (30) calendar days of receiving such notice from the District, the Permit Holder shall hold harmless and defend the District, its Board members, Hearing Board members, APCO, officers, agents, employees, and representatives from liability for any award, damages, costs, and fees incurred by the District and/or awarded to any plaintiff named in the complaint, excepting loss, injury or damage caused by the negligence or willful misconduct of the District. However, the Permit Holder shall be entitled to assume the defense of the lawsuit at its expense with counsel reasonably satisfactory to both the District and Permit Holder and to lawfully settle and compromise any such lawsuit. Permit Holder shall provide District with the terms of any settlement thirty (30) calendar days prior to executing an agreement or entering into a stipulation. District's agreement to the settlement shall be required when the settlement binds the District to expend un-reimbursed District funds or to take a specified action which is reasonably unacceptable to the District, such as the modification of this Permit or District Rules and Regulations. Should Permit Holder elect not to assume the defense of the lawsuit at its expense, District shall invoice Permit Holder for reimbursement of all reasonable and documented costs related to District providing said defense.

1. The Permit Holder shall submit the Permit Notification Card after completing construction, installation, initial adjustment, or shakedown, and no later than 48 hours after beginning actual operation of the equipment listed in the Authority to Construct (ATC). For modifications of existing permits not requiring a physical change, the Permit Holder shall submit the Permit Notification Card no later than 48 hours after beginning operation of the equipment under the revised conditions of this ATC. The Permit Notification Card serves as the Permit to Operate (PTO) application, while the ATC and its conditions shall function as a temporary PTO until the final PTO is issued or denied. Operation beyond the shakedown period and the allowable 48 hours of actual operation without the submission of a Permit Notification Card will be considered operation without a valid permit and may be subject to enforcement action. [District Rule 3.1, §402]

2. The District requires an inspection of the equipment after completion of the construction and prior to the issuance of the Permit to Operate. [District Rule 3.1, §402]
3. An authorization to construct shall remain in effect only until the application for Permit to Operate is granted or denied; however, such an authorization shall not remain in effect beyond two years from the date of issuance unless the District finds that the time required for construction requires an extension and grants one or more extensions, for a total time not to exceed five years from the date of issuance. [District Rule 3.1, §407]

The following set of conditions are established by the District to provide enforceable operating parameters as authorized by California Health and Safety Code Section 42301 and District Rule 3.1, Section 402. If any of the rules and regulations referenced below are amended subsequent to the issuance date of this permit, resulting in the amended rule differing from or superseding the corresponding condition, then the Permit Holder shall be required to comply with the amended rule or regulation and shall no longer be required to comply with the superseded condition.

4. The Permit Holder shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
 - b. Greater than 20% opacity. [District Rule 3.4]
5. The maximum as-applied VOC-content (excluding water and exempt compounds) of letterpress inks shall not exceed 300 g/L (2.5 lb/gallon). [District Rule 3.4]
6. The maximum as-applied VOC-content (excluding water and exempt compounds) of the high-VOC silkscreening inks shall not exceed 840 g/L (7.0 lb/gallon). [District Rule 3.4]
7. The maximum as-applied VOC-content (excluding water and exempt compounds) of the medium-VOC silkscreening inks shall not exceed 540 g/L (4.5 lb/gallon). [District Rule 3.4]
8. The maximum as-applied VOC-content (excluding water and exempt compounds) of the low-VOC silkscreening inks shall not exceed 40 g/L (0.33 lb/gallon). [District Rule 3.4]
9. The maximum as-applied VOC-content (excluding water and exempt compounds) of adhesives used in the printing operation shall not exceed 660 g/L (5.50 lb/gallon). [District Rule 3.4]
10. The maximum as-applied VOC-content of solvents used to clean silkscreen ink from application equipment shall not exceed 100 g/L (0.83 lb/gallon). [District Rule 3.4]

11. The maximum as-applied VOC-content of solvents used to clean letterpress ink from application equipment shall not exceed 238 g/L (1.99 lb/gallon). [District Rule 3.4]
12. The maximum as-applied VOC-content of solvents used to clean all other materials from application equipment shall not exceed 25 g/L (0.21 lb/gallon). [District Rule 3.4]
13. The maximum as-applied VOC-content of solvents used for product cleaning or general applications shall not exceed 25 g/L (0.21 lb/gallon). [District Rule 3.4]
14. A person shall not perform surface preparation and cleanup using a solvent with a VOC content greater than 25g/L unless one of the following cleaning devices or methods is used:
 - a. Wipe Cleaning;
 - b. Spray bottles or containers with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant-induced force; or
 - c. Any other method approved by the District. [District Rule 3.4]
15. The Permit Holder shall store all VOC-containing materials (including shop rags and towels) used in the printing operation, regardless of their VOC-content, in non-absorbent, non-leaking containers. The containers are to be kept closed at all times except when filling or emptying. [District Rule 3.4]
16. The Permit Holder shall maintain a current list that includes the following for all VOC containing materials:
 - a. Material name and manufacturer's product data sheet or material safety data sheet (MSDS);
 - b. Material application method;
 - c. Material category and specific mix ratio;
 - d. Actual VOC content (in g/l or lb/gallon); and
 - e. As-applied regulatory VOC content (in g/l or lb/gallon). [District Rule 3.4]
17. The Permit Holder shall on a monthly basis record the type, the amount, and the as-applied VOC-content of each ink and adhesive used in the printing operation. [District Rule 3.4]
18. The Permit Holder shall on a monthly basis record the type, the amount, and the as-applied VOC-content of each solvent used in the printing operation. [District Rule 3.4]
19. The Permit Holder shall maintain purchase records identifying the type, name, and volume of each VOC containing material, and any other records necessary to demonstrate compliance with this permit. [District Rule 3.4]
20. All required records shall be retained for a minimum of five (5) years and shall be made available for District inspection upon request. [District Rule 3.8, section 302.6(b)]

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the Health & Safety Codes of the State of California or the Rules and Regulations of the Yolo-Solano Air Quality Management District.

Mat Ehrhardt, P.E.
AIR POLLUTION CONTROL OFFICER

By:_____

Date of Issuance:_____